

L2 ANSWER 17 OF 21 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD
AN 1978-56471A [31] WPIDS

PI SU 573453 A 19771020 (197831)*

TI Glass melt ***pulsed*** ***bubbling*** unit - includes
counterweighted housing at furnace bottom to prevent secondary
bubbling

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AB SU 573453 A UPAB: 19930901

The pulse bubbler for stirring glass melt eliminates formation of
secondary fine bubbles and has counterweighted housing which receives
praessurized gas from the manifold. This ensures buoyancy of the housing
and its relative shift w.r.t. the furnace bottom.

The movement causes the formation of a bubble which escapes from the
housing, and the equilibrium of gravity and buoyancy forces is broken.
The housing drops back into its starting position and a new pressure
build-up initiates repeat of the cycle. The clear break of the bubble
eliminates seeding of the glass melt, and the frequency of bubble escape
is adjusted by gas pressure control.

IC C038005-16

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